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To Jeffrie R. Lund  
Patent Office  
2/21/2004 Page 1 of 137  
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~~Unofficial~~

Application No. 09/749988. Formal Amendment

In response to your action of 01/20/04 and the subsequent telephone conversation I have amended the claims and submitted a substitute specification, a replacement abstract and replacement drawings to completely replace the existing specification, abstract and drawings

I appreciate your diligence in identifying the errors in the specification, abstract figures and claims and have amended them to correct the errors pointed out. In addition I have amended the specification and claims to correct a typographical error where ppmwt, parts per million by weight, was used as the units for impurities in the gases fed to the reactor instead of the correct ppmv, parts per million by volume. The amendment to the specification is on page 24 line 17. The amendment to the claims is in claim 3. This is not the addition of new material but is the correction of a typographical error in using "wt" instead of "v".

#### Drawings.

The drawings have been corrected to provide a weigh cell, which is mentioned in the specification but not shown on the drawing, correct the numbering of the figures to provide unique and consistent numbering and to provide a Figure number for each figure as requested in the office action.

#### Claim rejections under 35 USC 112

The rejection of claims 8 and 14 under section 15 on page 6 of the office action is respectfully appealed based on the fact that the original specification did contain a description of flow control. This description is shown on page 25 line 24 of the revised specification and as shown as paragraph 0056 on page 6 of the published application US 2002/0081250.

The other claims have been amended as suggested.

Yours truly,

Stephen M. Lord

Attachments: Amended Claims  
Replacement Abstract  
Marked up Specification  
Annotated Drawings

Page 1-6:  
Page 60:  
Page 1-55  
Figure 1a-6b

Substitute Specification  
Replacement Drawings  
Marked up Abstract

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Figure 1a-6c  
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